

Appl. No. 10/708,367
Amdt. dated January 3, 2005
Reply to Office action of November 29, 2004

Amendments to the Claims:

Listing of Claims:

1. (original) A combination lock having a second lock mechanism
5 comprising:
a lock body comprising at least a push-button and a lock tongue in
relation with each other, the lock tongue having a locking position
and a releasing position;
a stopping member, positioned in the lock body, having a first position
10 for constraining the lock tongue in the locking position and a second
position for releasing constraint of the lock tongue;
a first lock mechanism comprising a plurality of dials and a shifting
plate installed in the lock body, the shifting plate and the dials
moving correspondingly, the shifting plate having a clamping
15 position for constraining the stopping member to remain in the first
position and a unlocking position for releasing the stopping member
from being constrained; and
a second lock mechanism comprising a sleeve and a linking member
20 installed in the lock body and in relation with each other, the sleeve
having a keyhole for allowing a key to be inserted and for being
rotated by the key such that the linking member is shifted and forces
the stopping member to change positions.
2. (original) The combination lock of claim 1 wherein the linking member
25 is coupled to an eccentric position of the sleeve at one end.
3. (original) The combination lock of claim 1 wherein the sleeve and the

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linking member operate by means of mesh transmission.

4. (currently amended)The combination lock of claim 1 wherein the sleeve
has a cam operatively connected to the linking member such that the sleeve
5 and the linking member move correspondingly.

5. (original) The combination lock of claim 4 wherein the linking member
has a resilient member for providing a recovering ability such that the
linking member and the cam remain in contact.

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6. (original) The combination lock of claim 1 wherein the stopping member
is pivotally positioned in the lock body and is rotated for changing
positions.

15 7. (original) The combination lock of claim 6 wherein the linking member
is coupled to an eccentric position of the stopping member.

8. (original) The combination lock of claim 1 wherein the linking member
is pivotally positioned in the lock body and the sleeve has a lever for
20 moving the linking member.

9. (currently amended)A combination lock having a second lock mechanism
comprising:

25 a lock body comprising at least a push-button and a lock tongue in
relation with each other, the lock tongue having a locking position
and a releasing position;

a stopping member, positioned in the lock body, having a first position
for constraining the lock tongue in the locking position and a second

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position for releasing constraint of the lock tongue;
a first lock mechanism comprising a plurality of dials and a shifting
plate installed in the lock body, the shifting plate and the dials
moving correspondingly, the shifting plate having a clamping
5 position for constraining the stopping member to remain in the first
position and a unlocking position for releasing the stopping member
from being constrained; and
a second lock mechanism comprising a sleeve and a flexible
transmission member positioned in the lock body, the sleeve having
10 a keyhole for allowing a key to be inserted and for being rotated by
the key, the flexible transmission member being respectively
connected to the sleeve and the stopping member such that the
sleeve ~~rotates~~ actuates the flexible transmission member and the
stopping member simultaneously for changing positions of the
15 stopping member.

10. (currently amended) The combination lock of claim 9 wherein the
flexible transmission member is a generally circular member positioned
around the sleeve and the stopping member.

20 11. (original) The combination lock of claim 10 wherein the flexible
transmission member, the sleeve, and the stopping member operate by
means of mesh transmission.

25 12. (original) The combination lock of claim 9 wherein the flexible
transmission member is a linear belt respectively connected to the sleeve
and the stopping member.

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13. (original) The combination lock of claim 9 wherein the flexible transmission member is modulated by a tension modulator.

14. (original) A combination lock having a second lock mechanism
5 comprising:

a lock body comprising at least a push-button and a lock tongue in relation with each other, the lock tongue having a locking position and a releasing position;

10 a stopping member, positioned in the lock body, having a first position for constraining the lock tongue in the locking position and a second position for releasing constraint of the lock tongue;

15 a first lock mechanism comprising a plurality of dials and a shifting plate installed in the lock body, the shifting plate and the dials moving correspondingly, the shifting plate having a clamping position for constraining the stopping member to remain in the first position and a unlocking position for releasing the stopping member from being constrained; and

20 a sleeve, positioned in the lock body, having a keyhole for allowing a key to be inserted and for being rotated by the key, the sleeve further comprising an extension part for forcing the stopping member to change positions when the sleeve rotates.

15. (original) The combination lock of claim 14 wherein the extension part and the stopping member operate by means of mesh transmission.

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